

# Technical Specifications

## Model: Fobos-100S Grinder/Polisher

### Notice

<b>Space</b>	Table 0.6m x 1m x 0.8m(W, D, H) or more
<b>Electric</b>	Single phase, 220V, 2A
<b>Coolant</b>	User arrangement (Urethane hose (8mm or 10mm) connection)
<b>Remark</b>	- Space of movement

### Fobos-100S, Grinder/Polisher

Fobos-100S is a standard polisher for microstructure observation and hardness measurement of all material such as metal, etc. Fobos-100S has applied digital controller to control motor spin speed, spin redirection, coolant usage, etc. Fobos-100S has also applied 12" large size disc for user availability.



#### Features

- **Soft push switches (Power On/Off, Start, Stop, Water On/Off)**
- **Disc redirection set-up and LCD screen display**
- **Water and dosing usage/cancel release**
- **Digital type coolant supply**
- **Combination with slurry supplier (Option)**
- **Easy speed control by rotary encoder**
- **Motor auto calibration – RPM optimization**

- **Self-test function – Motor and solenoid valve status check**

## 1. Specification

- Size: 560mmW x 630mmD x 320mmH
- Electric: Single phase, 220V
- Motor: 300W BLDC motor
- Controller: Digital touch button control
- Power On/Off
- Spin speed set-up
- Graphical display of spin speed
- Spin redirection
- Water On/Off set-up
- Coolant: Solenoid and needle valve
- Disc size: 12" (Basic: 305mm, Option: 200mm, 250mm), Hardened anodizing Al plate
- Disc setting: Excellent flatness using 3-point supporting method
- Case: ABS resin plastic, Matt heat treatment painting
- Disc spin speed: 50 ~ 500 RPM (Unit step: 10RPM)

## 2. Service and Remark

- 1 year warranty
- Operation manual (1copy)
- Outlet hose 2M
- Inlet hose 5M
- Splash-proof ring
- Disc cover
- Paper locking ring
- Installation and education at the shipping place